



THE PRIME EXAMINATIONS 2024

P.7 MID TERM I INTEGRATED SCIENCE

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Time allocated 2 hours 15 minutes



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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- This paper has **two sections: A and B**. Section **A** has **40** questions (**40 Marks**) and Section **B** has **15** questions. (**60 Marks**)
- Answer **ALL** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
- All answers **must** be written using a **blue or black ball point pen or ink**. Any work written in pencil will **not** be marked.
- Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to loss of marks.
- Do not fill anything in the table indicated

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QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (PEC)

PUBLISHERS OF:-

THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES
LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

Turn Over

Section A (40 Marks)

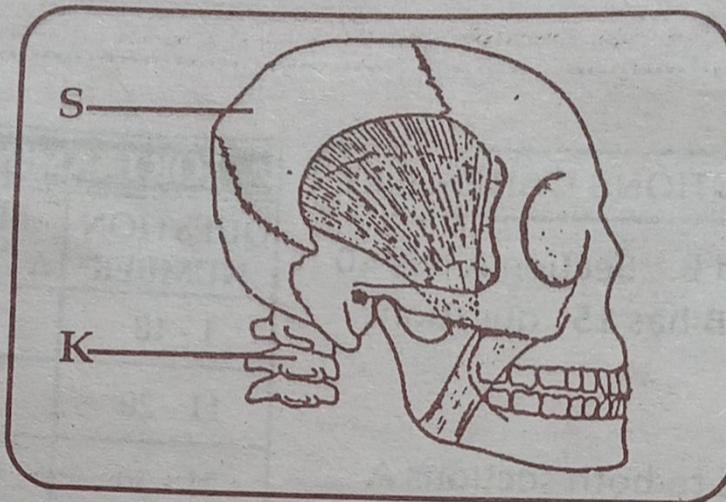
1. Name the sense organ for feeling.

2. Give any one advantage of seed and fruit dispersal.

3. In which way is the use of bio gas useful to the environment?

4. How is wet wood able to conduct electricity?

The diagram below is of a human skull and a neck vertebra. Use it to answer question 5 and 6.



5. Name the movable joint marked K from the diagram above.

6. Which delicate organ is protected by S?

7. Give any one use of proteins in the human body.

8. How do cattle farmers control the breeding of poor quality animals on their farms?

9. Why is a fuse made of a thin wire?

10. Name one example of a non-magnetic material in the environment.

11. State one sign of a simple fracture.

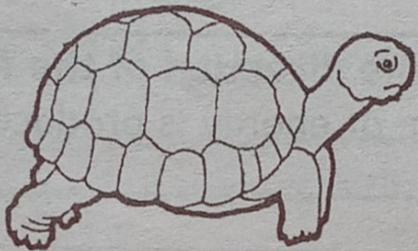
12. Name the form of current electricity produced by uranium.

13. What happens to an electromagnet when current is switched off?

14. Why is a person with hookworms likely to suffer from anaemia?

15. Give one disadvantage of overcrowding chicken in their coop.

Use the diagram of the animal below to answer questions 16 and 17.



16. Identify the class of vertebrates to which the above animal belongs.

17. How does the above animal protect itself from enemies?

18. Mention one example of an organism with hydrostatic skeleton.

19. Why can't a magnet be used to separate iron from steel?

20. How does wearing of a face mask help to control air-borne diseases?

21. State any one way in which you can prevent some clothes from staining others during washing.

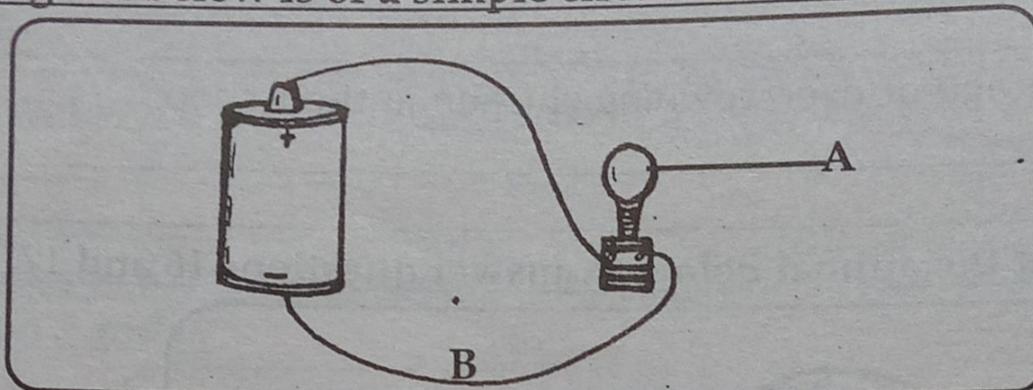
22. State one advantage of gap filling to a crop farmer.

23. Name one item used for cleaning hands after using a latrine or toilet.

24. Why does water drain faster in sand soil than in clay soil?

25. Give a reason why snakes are grouped among cold-blooded vertebrates.

The diagram below is of a simple circuit. Use it to answer questions 28 and 27.



26. Draw an arrow on line B to show the direction of the flow of electricity.

27. Apart from light, which other form of energy is produced at A?

28. Which rabbit disease causes wounds in the ears?

29. Give one way in which moulds are similar to ferns.

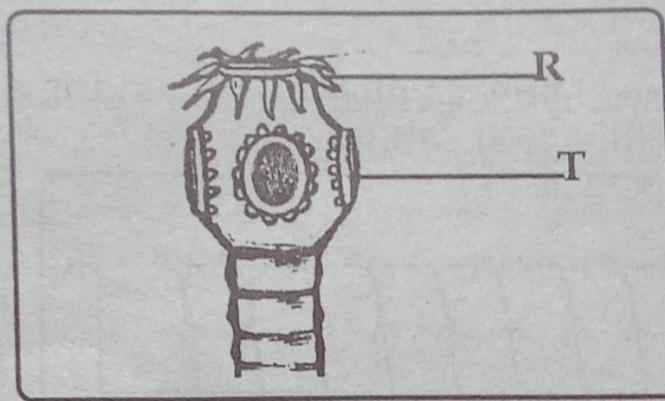
30. Where does absorption of food take place in the digestive system of a domestic fowl?

31. What happens to biceps when the arm is straightened?

32. James's radio uses six dry cells. How many volts are needed if he is to use to listen to news?

34. How does frequency affect the pitch of sound?
-
35. Give one reason why farmers sort seeds before planting them.
-

The diagram below shows a head of a tapeworm. Study it and answer questions 36 and 37.



36. Name the part marked T.
-
37. How is part R important to the tapeworm?
-
38. State one use of electricity at home.
-
39. How are splints important in the giving of first aid for a fracture?
-
40. Give one way in which the preservation of cassava and fish differs.
-

Section B (60 Marks)

41. (a) What form of energy is stored in wood fuel?

(b) Which energy change takes place when wood burns to ashes?

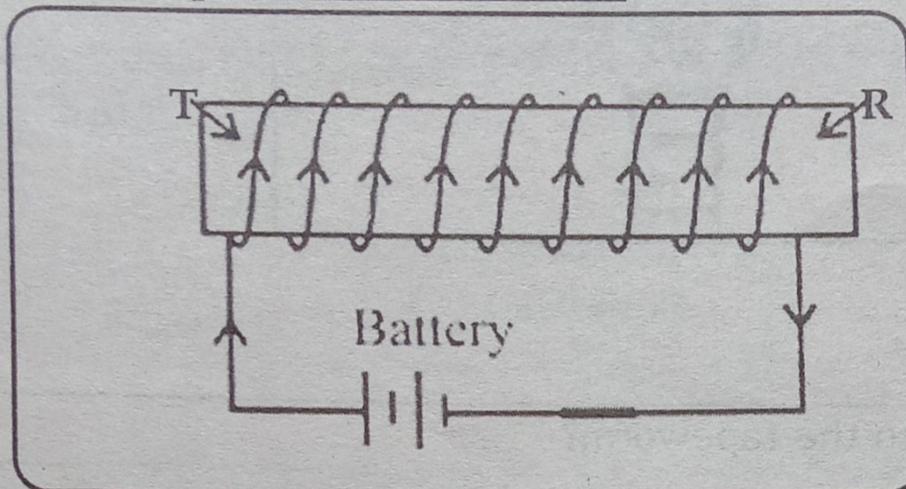
(c) State two practices carried out at home to conserve wood fuel.
(i) _____
(ii) _____
42. (a) Apart from the vertebral column, give any two other parts of the human skeleton used for protection.
(i) _____ (ii) _____

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(b) Name the part of the body protected by the vertebral column in the human body.

(c) Give any one health habit that helps to strengthen the human body.

43. The diagram below shows a method of making a magnets. Study it and use it to answer the questions that follow.



(a) Name the method of making a magnets shown in the diagram above.

(b) What pole will the part marked T become?

(c) What would you do to the dry cells in order to increase the strength of the magnet?

(d) Apart from the method shown above, name any other method of making a magnet.

44. (a) Apart from killing people, give two other dangers of lightning.

(i) _____

(ii) _____

(b) Write down two ways by which people can protect themselves from the dangers of lightning.

(i) _____

(ii) _____

45.

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In an experiment, sugar is mixed with water and stirred until it dissolves to make a solution.

(a) What do the following act as in the experiment;

(i) Sugar _____

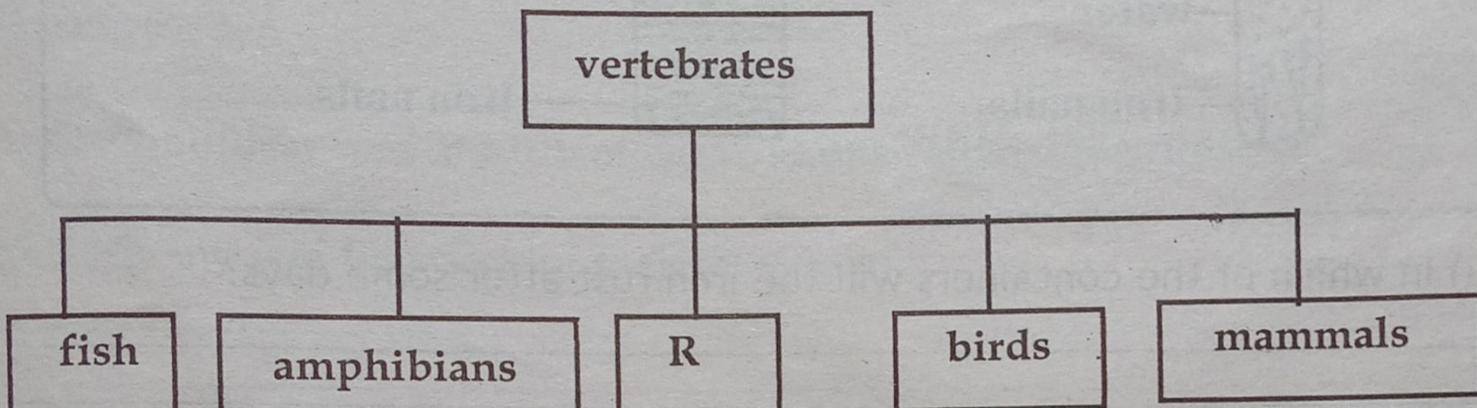
(ii) Water _____

(b) Name any other substance that could be used instead of sugar.

(c) Why should ORS be given to a dehydrated person?

46.

The table below shows classes of vertebrates. Study and use it to answer questions that follow.



(a) Name the class of vertebrates represented by R.

(b) Apart from having backbones, give one characteristic common to;

(i) all fish, amphibians and vertebrate R.

(ii) birds and mammals.

(c) State the difference in fertilization between vertebrates in class R and the amphibians.

47. (a) Mention the two kinds of joints.

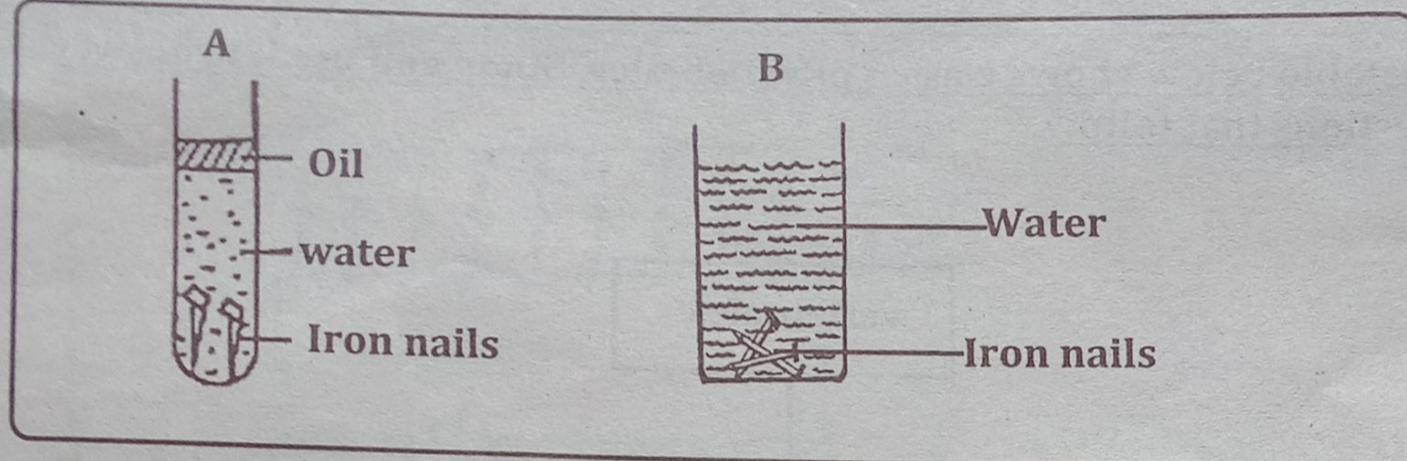
(i) _____

(ii) _____

(b) How is the movement made by *hinge joints* different from that made by *ball and socket joints*.

(c) Name one body part where gliding joints are formed.

48. The diagram below shows an experiment about rusting. Use it to answer the questions that follow.



(a) In which of the containers will the iron rust after some days?

(b) Why would the iron in the container you have identified rust?

(c) Give one reason why oil was poured in container A.

(d) State one way of preventing rusting.

49. (a) State any two signs of poor sanitation in a school.

(i) _____

(ii) _____

(b) Give any two diseases that can break out due to poor sanitation.

(i) _____

(ii) _____

50. (a) Mention any two examples of involuntary muscles.

(i) _____

(ii) _____

51.

(b) Give any two functions of the muscles in the human body.

(i) _____

(ii) _____

(a) How are the following components of a simple electric circuit important;

(i) fuse

(ii) switch

(b) Give any two dangers of short circuit.

(i) _____

(ii) _____

52.

(a) Name the disease of the musculoskeletal system spread by;

(i) cockroaches

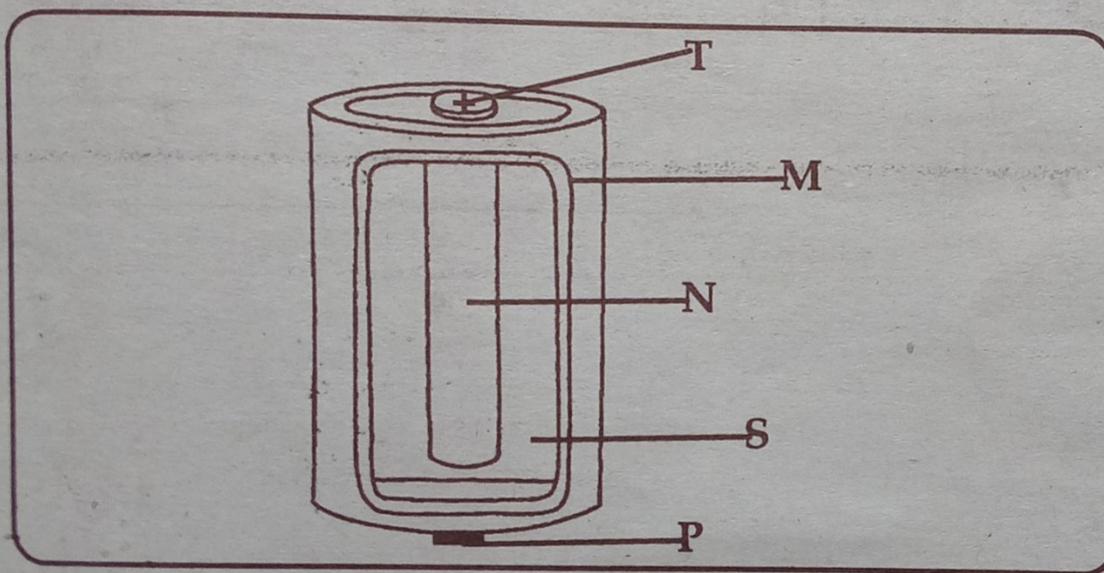
(ii) the umbilical cord at birth or cut with unsterilized instrument.

(b) State any two functions of skeletal system.

(i) _____

(ii) _____

53.

The diagram below shows a dry cell. Study and use it to answer the questions that follow.

(a) Name the parts marked T and M.

(i) T _____ (ii) M _____

(b) Give the function of the substance found in the part marked N in the dry cell above.

(c) Name the terminal represented by letter P on the dry cell above.

54.

(a) Mention the type of immunity acquired through;

(i) recovery from illness

(ii) immunisation

(b) Give any two roles of a family in promoting immunization in their area.

(i) _____

(ii) _____

55.

(a) Name the group of worms to which the following belong;

(i) liver flukes

(ii) hookworms

(b) *Apart from improving soil aeration*, identify any other two ways in which earthworms are important in the soil.

(i) _____

(ii) _____